

**Fig. 1****SEQ ID NO: 1**

GCTCGCGAATGTAGCAGGCGCCCCAAGCTCGGTCTCAAGAAGCCATGGCGG  
AATCCAGGGGCCGTCTGTACCTTTGGATGTGCTTGGCTGCTGCGCTGGCATC  
TTTCCTGATGGGATTTATGGTGGGCTGGTTTATTAAGCCTCTCAAAGAAACA  
ACCACTTCTGTGCGCTATCATCAAAGTATACGGTGGAACTGGTATCCGAAA  
TGAAAGCTGAAAACATCAAATCATTTCTTCGTTCTTTTACAAAGCTTCCTCA  
TCTGGCAGGAACAGAACAAAATTTCTTGCTTGCCAAGAAAATCCAAACCCAG  
TGGAAGAAATTTGGACTAGATTGAGCCAAGTTGGTTCATTATGATGTCCTCT  
TATCTTACCCCAATGAGACAAATGCCAACTATATATCGATTGTGGATGAACA  
TGAAACTGAGATTTTCAAACATCATACCTTGAACCACCACCAGATGGCTAT  
GAGAATGTTACAAATATTGTGCCACCATATAATGCTTTCTCAGCCCAAGGCA  
TGCCAGAGGGAGATCTTGTATATGTGAACTATGCTCGCACTGAAGACTTTTT  
CAAAGTAGAAAGAGAGATGGGCATCAACTGTACTGGGAAGATTGTTATTGCA  
AGATATGGAAAAATCTTCAGAGGAAATAAAGTTAAAAATGCCATGTTAGCAG  
GAGCCATAGGAATCATCTTGTACTCAGATCCAGCTGACTACTTTTGCTCCTGA  
GGTACAGCCATATCCCAAAGGATGGAATCTTCCTGGAAGTGCAGCCCAGAGA  
GGAAATGTGTTAAATTTGAATGGTGCTGGTGACCCACTCACTCCAGGCTATC  
CAGCAAAGAATACACTTTTCAGACTTGATGTTGAAGAAGGAGTGGGAATCCC  
CCGAATACCTGTACATCCCATTTGGATATAATGATGCAGAAATATTATTACGC  
TACTTGGGAGGAATTGCTCCACCAGATAAGAGTTGGAAGGGAGCCCTTAATG  
TGAGTTATAGTATCGGACCTGGCTTTACAGGGAGTGATTCTTTTACAGGAAGGT  
TAGAATGCATGTTTATAACATCAATAAAATTACAAGGATTTACAATGTAGTT  
GGAAGTATCAGAGGATCTGTGGAACCTGACAGGTATGTTATTCTGGGAGGTC  
ACCGGGACTCCTGGGTATTTGGAGCTATTGACCCAACCAGTGGGGTTGCTGT  
TTTGCAAGAAATTGCCCGGAGTTTTTGAAAACTGATGAGTAAAGGCTGGAGA  
CCTAGAAGAACTATCATTTTTTGCCAGCTGGGATGCAGAAGAATTTGGACTTC  
TGGGTTCCACAGAATGGGCTGAGGAGAATGTCAAATACTCCAGGAGAGAAG  
CATTGCTTATATCAACTCGGATTCATCTATAGAAGGCAATTATACTCTCAGA  
GTTGACTGTACTCCCCTTCTTTACCAATTAGTGTATAAACTGACAAAAGAGA  
TCCCCAGCCCTGATGATGGGTTTGAGAGTAAATCACTGTATGAAAGCTGGTT

GGAAAAAGACCCTTCACCTGAAAATAAAAATTTGCCTAGAATCAATAAGCTG  
GGATCTGGAAGTGACTTTGAAGCTTATTTTCAGAGACTTGGAATTGCTTCAG  
GCAGAGCCCGTTACACTAAGAATAAGAAAACAGATAAGTACAGCAGCTACCC  
AGTGTACCACACAATTTATGAGACATTTGAATTGGTAGAGAAATTTTATGAC  
CCCACATTTAAAAACAACCTTTCTGTGGCTCAATTACGAGGAGCACTGGTAT  
ATGAGCTTGTGGATTCTAAAATCATTCCTTTTAATATTCAAGACTATGCAGA  
AGCTTTGAAAAACTATGCAGCAAGTATCTATAATCTATCTAAGAAACATGAT  
CAACAATTAACAGACCATGGAGTATCATTTGACTCCTTATTTTCTGCTGTGA  
AAAACCTTCTCAGAGGCTGCTTCAGATTTTCATAAACGACTTATAACAAGTTGA  
TCTTAACAATCCCATTTGCAGTGAGAATGATGAATGACCAACTGATGCTCCTG  
GAAAGAGCATTTCATCGATCCTCTTGGTTTACCAGGAAAGCTGTTCTATAGGC  
ACATCATATTTGCTCCAAGTAGCCACAACAAATATGCTGGAGAATCATTTCC  
TGGAATCTATGATGCTATCTTTGATATTGAAAATAAAGCCAACTCTCGTTTG  
GCCTGGAAAGAAGTAAAGAAACATATTTCTATTGCAGCTTTTACAATTCAAG  
CAGCAGCAGGAACTCTGAAAGAAGTATTATAGAAGGTCTCAAGTGGCTAGCC  
ATTAAAGGTGTTGCTAAAAGTCTGAGGATAAAATTCACCTTTCTGATAACTT  
ATGAAGCCAGGGTGTCTAAACTCTTTTTCATGTCATGTTTTGATTATAGGCT  
TTGGTCTTTTTCATCTGCAAAGCCTTTTTTTTTTTTTTGCTCTTTAAAAGTTAAT  
AATTATATTAGCAAAGTGTTAATCTAATGAAGTAAAAAACTCCTGTGTGGCA  
GAAAGTAAAAGAAAATTCCCTAAATTATAGCAAGGAACATGAATTCTCAGAC  
ATTGTGAGTGTGGGAATGTAAAATGGTAAAATCACTTTTGAAAACAGTTTGG  
CAGTTTCCTATAAAGTTAAACATACACTTTTACTTTAGGACTCCAGAATTCC  
ACTTCTAGTTATTTATTCAAGAGAAGGAAAAACAATGATCACAGCAATACTT  
GTATGCATGTTCAATTGCAACTTAAAAGCGTAAAAACCCCAAATGTCCATCCA  
CAGACGAATGTATAAACTGTGGTATCCATTACACAATAGACTACTTACTACT  
CAGCAATAAAAATGAAGTAACTTTCAATAAATGCAATATTATTGGCAGACAT  
TGTTGAAGGAAAAAAGCCAGACAAACAACCTACATAAAATATGTTTCTATTTA  
GATGAAGTGGCAAACCTAATCTGTAGTGTTAAAAATTAGATTAGTGATTGCCT  
GGGCCAAGTGGCAGGTTGGGGAGGATGGCTGCAAAGAAGTATGAGGAAACTT  
TCTCCAATAGATGAGAATTTTCCGTATCTTGATCTGAGTGGCAAATTGTAAA

CTTAAAATATATATAAAATTTATTGAAAGAAAATTAAGCCTCAATAAACGTG  
ATTATAAAAAAAAAAAAAAAAAAAGGGCGGCCGC

**Fig. 2****SEQ ID NO: 2**

MAESRGRLYLWMCLAAALASFLMGFMVGWFIKPLKETTTSVRYHQSIKWLKLV  
SEMKAENIKSFLRSFTKLPHLAGTEQNFLAKKIQTQWKKFGLDSAKLVHYD  
VLLSYPNETNANYISIVDEHETEIFKTSYLEPPPDGYENVTNIVPPYNAFSA  
QGMPEGDLVYVNYARTEDFFKLEREMGINCTGKIVARIYRGKIFRGKVKKNAM  
LAGAIGIILYSDPADYFAPEVQPYPKGWNLPGTAAQRGNVLNLNGAGDPLTP  
GYPAKEYTFRLDVEEGVGIPRIPVHPIGYNDAEILLRYLGGIAPPDKSWKGA  
LNVSYSIGPGFTGSDSFRKVRMHVYNINKITRIYNVVGITIRGSVEPDYVIL  
GGHRDSWVFGAIDPTSGVAVLQEIARSFGKLMSKGWRPRRTIIFASWDAEEF  
GLLGSTEWAEENVKILQERSIAYINSDSSIEGNYTLRVDCTPLLYQLVYKLT  
KEIPSPDDGFESKSLYESWLEKDPSPENKNLPRINKLGSGSDFEAYFQRLGI  
ASGRARYTKNKKTDKYSSYPVYHTIYETFELVEKFYDPTFKKQLSVAQLRGA  
LVYELVDSKII PFNIQDYAEALKNYAASIYNLSKKHDQQLTDHGVSFDSLFS  
AVKNFSEAASDFHKRLIQVDLNNPIAVRMMNDQLMLLERAFIDPLGLPGKLF  
YRHIIFAPSSHNKYAGESFPGIYDAIFDIENKANSRLAWKEVKKHISIAAFT  
IQAAAGTLKEVL

**Fig. 3****SEQ ID NO: 3**

5' -gccgtctgtaccttttgatg-3'

**Fig. 4****SEQ ID NO: 4**

5' -agcccaccataaatcccatc-3'

**Fig. 5****SEQ ID NO: 5**

5' -ctgctgctgcatctttcct-3'